

Amendments to the Specification:

Please enter and replace the following amendments to the specification. No new matter has been introduced by these changes to the specification.

Please replace paragraph [0015] with the following paragraph:

The system of the present invention is shown on schematic Fig. 1. System 10 includes an electric motor powered blower 15, an intake filter 30, 1 two position-multiport rotary valve 100, air mattress supply lines 302A, 302B, 302C, 302D and 302S for supplying air flow into and out of to the internal chamber(s) of an air mattress 400, continues exhaust line 304, stepper motor controlled valves 310A, 310B, 310C, and 310D, pressure sensors 312A, 312B, 312C, and 312D, a control unit 50 and a control panel 70.

Please replace paragraph [0016] with the following paragraph:

Variable speed blower 15 is powered by an electric motor (not shown) such as a 110V AC electric motor. Control unit 50 can control the power supplied to the blower motor. Blower 15 is a single direction blower that is not a positive displacement air pump but rather a centrifugal fan type blower. This type of blower is appropriate in a system which supplies air to a low air loss air mattress such as air mattress 400. Air mattress 400 has a large number of small holes in its upper surfaces to permit air to constantly circulate around a supported patient.

Please replace paragraph [0017] with the following paragraph:

Blower 15 has an intake port 17 and an exhaust port 19. Rotary value 100 is shown schematically in Fig. 1 and is shown in greater detail in Fig 2. and Fig 3. As is shown in Fig. 1, rotary valve 100 has an inlet port 110 that is in pneumatic communication with exhaust port 19 of blower 15. The blower intake port 17 is connected by an air tight chamber (not shown) to an outlet

port 130 in rotary valve 100. As ~~each~~ can be seen schematically in Fig. 1, rotary valve 100 includes a gate member 200, which in Fig. 1, is shown in a first position for directing air flow in an inflation direction while in a pressurizing mode. Rotary valve 100 has a set of mattress supply ports 112S, 112A, 112B, 112C and 112D as well as a ~~continues~~ continuous exhaust port 114. Continuous exhaust port 114 connects to a line 304 leading to the outside environment and provides a passageway for air to constantly flow through and cool blower 15. Supply port 112S connects to a line 302S that might be used to inflate a chamber or set of chambers of the air mattress that might remain inflated at a relatively constant pressure. A set of air mattress supply lines 302A, 302B, 302C and 302D connect to mattress supply ports 112A, 112B, 112C and 112D respectively and are each interrupted by control valves 310A, 310B, 310C and 310D and pressure sensors 312A, 312B, 312C and 312D respectively. Although, in the embodiment shown, air mattress supply lines 302A, 302B, 302C and 302D each have a control valve and a sensor, it is possible to configure a system where only some of those supply lines include a control valve and a sensor.

Please replace paragraph [0019] with the following paragraph:

Preferably, control unit 50 is a programmable control unit that can receive inputs from a control panel 70. Control unit 50 is connected to pressure sensors 312A, 312B, 312C and 312D via sensor lines 54A, 54B, 54C and 54D respectively and to pressure control valves 310A, 310B, 310C and 310D via control lines 52A, 52B, 52C and 54D respectively. Preferably, control unit 50 is also ~~be~~ operatively connected to the motor that powers blower 15 via a control line 53. Control unit 50 receives signals from pressure sensors 312A, 312B, 312C and 312D and responds to those signals by sending control signals to the stepper motors of control valves 310A, 310B, 310C and 310D and also, if necessary, by adjusting the amount of power supplied to the motor that powers blower 15.

Please replace paragraph [0025] with the following paragraph:

System 10 is also capable of supporting a cardiopulmonary resuscitation (CPR) mode wherein an air mattress connected to the system can be quickly deflated so that the patient may be lowered to a firm surface for CPR. The CPR mode is activated by turning gate member 200 of rotary valve 100 to a second position shown in phantom in Fig. 1. When in the second position, gate member 200 directs air in a deflation direction from air mattress 400 into intake 17 of blower 15 while air leaving blower 15 is directed through filter 30 to the outside environment. Because air from air mattress 400 is now routed to intake 17 of blower 15, air mattress 400 quickly deflates.